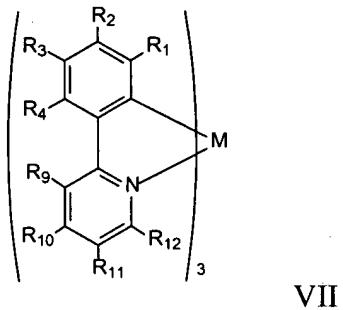


Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently amended) ~~The~~ An organic light emitting device of claim 1, wherein the comprising an array of pixels defined by a photoresist grid and having a pixel pitch of less than 500 μm , wherein each pixel comprises an emissive layer comprising a phosphorescent emissive material of the formula VII



VII

wherein

M is a metal atom;

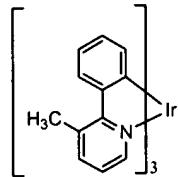
each R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is, independently, H, F, Cl, Br, I, R, OR, N(R)₂, SR, C(O)R, C(O)OR, C(O)N(R)₂, CN, NO₂, SO₂, SOR, SO₂R, SO₃R; and additionally, or alternatively, any one or more of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 4- to 7-member cyclic group, wherein said cyclic group is cycloalkyl, cycloheteroalkyl, aryl, or heteroaryl, and wherein said cyclic group is optionally substituted by one or more substituents X;

each R is, independently, H, C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ heteroalkyl, C₅-C₄₀ aryl, C₅-C₄₀ heteroaryl, aralkyl; wherein R is optionally substituted by one or more substituents X;

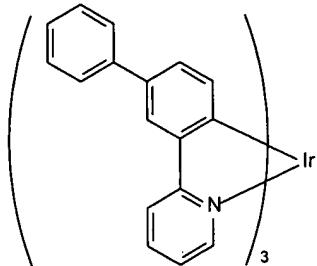
each X is, independently, H, F, Cl, Br, I, R', O R', N(R')₂, SR', C(O)R', C(O)OR', C(O)N(R')₂, CN, NO₂, SO₂, SOR', SO₂R', or SO₃R';

each R' is, independently, H, C₁-C₂₀ alkyl, C₁-C₂₀ perhaloalkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ heteroalkyl, C₅-C₄₀ aryl, or C₅-C₄₀ heteroaryl; and wherein at least one of R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is not H.

6. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula

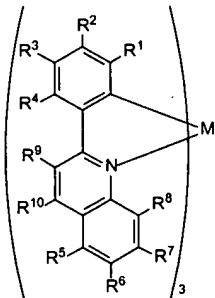


7. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein at least one of R¹, R², R³, R⁴, R⁹, R¹⁰, R¹¹, and R¹² is aryl or heteroaryl.
8. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula

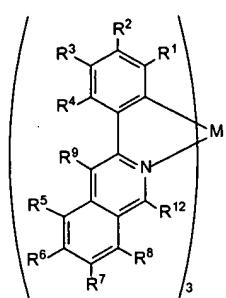


9. (Currently amended) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein at least one of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 5-and-or 6-member cyclic group.
10. (Original) The organic light emitting device of claim 5, wherein the emissive layer comprises a phosphorescent emissive material of the formula VII wherein M is Ir.
11. (Currently amended) The organic light emitting device of claim 5, wherein the emissive layer comprises an emissive material of the formula VII wherein at least one of R¹ and R², or R² and R³, or R³ and R⁴, or R⁹ and R¹⁰, or R¹⁰ and R¹¹, or R¹¹ and R¹², together form, independently, a fused 5-and-or 6-member cyclic group.
12. (Cancelled)
13. (Currently amended) The organic light emitting device of claim 125, wherein the grid comprises a negative photo-resist material.
14. (Currently amended) The organic light emitting device of claim 125, wherein the grid comprises a positive photo-resist material.
15. (Currently amended) The organic light emitting device of claim 5, wherein the each pixel has a pixel shrinkage that is less than about 5 μm when operated at about 10mA/cm² constant dc current for at least 1000 hours at room temperature.
16. (Cancelled)

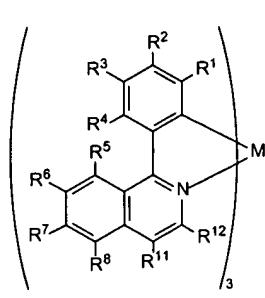
17. (Currently amended) The organic light emitting device of claim-5, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a, II_a, or III_a



I_a



II_a



III_a

wherein

M is a metal atom;

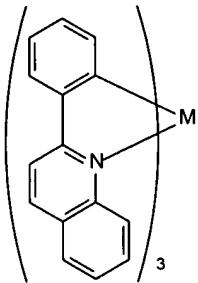
each R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹ and R¹² is, independently, H, F, Cl, Br, I, R, OR, N(R)₂, SR, C(O)R, C(O)OR, C(O)N(R)₂, CN, NO₂, SO₂, SOR, SO₂R, SO₃R; and additionally, or alternatively, any one or more of R¹ and R², or R² and R³, or R³ and R⁴, or R⁵ and R⁶, or R⁶ and R⁷, or R⁷ and R⁸, or R⁹ and R¹⁰, or R¹¹ and R¹², together form, independently, a fused 4- to 7-member cyclic group, wherein said cyclic group is cycloalkyl, cycloheteroalkyl, aryl, or heteroaryl, and wherein said cyclic group is optionally substituted by one or more substituents X;

each R is, independently, H, C₁-C₂₀ alkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ heteroalkyl, C₅-C₄₀ aryl, C₃-C₄₀ heteroaryl, aralkyl; wherein R is optionally substituted by one or more substituents X;

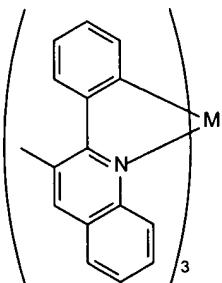
each X is, independently, H, F, Cl, Br, I, R', OR', N(R')₂, SR', C(O)R', C(O)OR', C(O)N(R')₂, CN, NO₂, SO₂, SOR', SO₂R', or SO₃R'; and

each R' is, independently, H, C₁-C₂₀ alkyl, C₁-C₂₀ perhaloalkyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl, C₁-C₂₀ heteroalkyl, C₅-C₄₀ aryl, or C₅-C₄₀ heteroaryl.

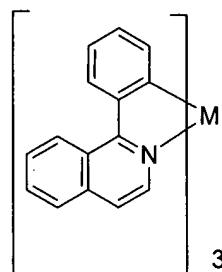
18. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a, II_a, or III_a wherein M is Ir.
19. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_a.
20. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula II_a.
21. (Original) The organic light emitting device of claim 17, wherein the emissive layer comprises a phosphorescent emissive material of the formula III_a.
22. (Original) The organic light emitting device of claim 19, wherein the emissive layer comprises a phosphorescent emissive material of the formula



23. (Original) The organic light emitting device of claim 22, wherein M is Ir
24. (Original) The organic light emitting device of claim 19, wherein the emissive layer comprises an emissive material of the formula



25. (Original) The organic light emitting device of claim 24, wherein M is Ir.
26. (Original) The organic light emitting device of claim 21, wherein the emissive layer comprises an emissive material of the formula

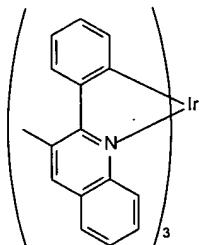


27. (Original) The organic light emitting device of claim 26, wherein M is Ir.
28. (Currently amended) The organic light emitting device of claim 17, wherein each pixel has the a pixel shrinkage that is less than about 5 μm when operated at about 10 mA/cm^2 constant dc current for at least 1000 hours at room temperature.
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)
33. (Cancelled)
34. (Cancelled)

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35. (Cancelled)
36. (Cancelled)
37. (Cancelled)
38. (Cancelled)

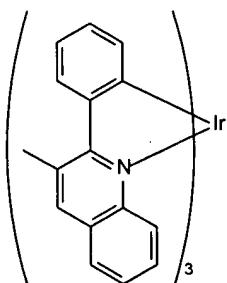
39. (Currently amended) ~~The~~ An organic light emitting device of claim 35 having an emissive layer, wherein the emissive layer comprises a phosphorescent emissive material of the formula I_c



I_c

40. (Cancelled)
41. (Cancelled)
42. (Cancelled)
43. (Cancelled)

44. (Currently amended) ~~The~~ A compound of claim 40, having the formula I_c



I_c